



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/660,893
Source: 1Fw9
Date Processed by STIC: 7/1/04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box-1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 06/05/04): U.S. Patent and Trademark Office, 220 20th Street S., Customer Window, Mail Stop Sequence, Crystal Plaza Two, Lobby, Room 1B03, Arlington, VA 22202

Revised 05/17/04

Raw Sequence Listing Error Summary

<u>ERROR DETECTED</u>	<u>SUGGESTED CORRECTION</u>	<u>SERIAL NUMBER:</u> <u>10/660,893</u>
ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE		
1 <input type="checkbox"/> Wrapped Nucleic Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."	
2 <input type="checkbox"/> Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.	
3 <input type="checkbox"/> Misaligned Amino Numbering	The numbering under each 5 th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.	
4 <input type="checkbox"/> Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.	
5 <input type="checkbox"/> Variable Length	Sequence(s) <input type="checkbox"/> contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.	
6 <input type="checkbox"/> PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) <input type="checkbox"/> . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.	
7 <input type="checkbox"/> Skipped Sequences (OLD RULES)	Sequence(s) <input type="checkbox"/> missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION: SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped	
	Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.	
8 <input type="checkbox"/> Skipped Sequences (NEW RULES)	Sequence(s) <input type="checkbox"/> missing. If intentional, please insert the following lines for each skipped sequence: <210> sequence id number <400> sequence id number 000	
9 <input type="checkbox"/> Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.	
10 <input checked="" type="checkbox"/> Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence	
11 <input type="checkbox"/> Use of <220>	Sequence(s) <input type="checkbox"/> missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)	
12 <input type="checkbox"/> PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.	
13 <input type="checkbox"/> Misuse of n/Xaa	"n" can only represent a single <u>nucleotide</u> ; "Xaa" can only represent a single <u>amino acid</u>	



IFWO

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/660,893

DATE: 07/01/2004
TIME: 13:09:23

Input Set : A:\New Link, 0003.ST25.txt
Output Set: N:\CRF4\07012004\J660893.raw

3 <110> APPLICANT: Link, Charles
5 <120> TITLE OF INVENTION: Methods and Compositions for Elucidating Protein Expression
6 Profiles in Cells
8 <130> FILE REFERENCE: 05237.0003.CPUS00
10 <140> CURRENT APPLICATION NUMBER: US 10/660,893
11 <141> CURRENT FILING DATE: 2003-09-12
13 <160> NUMBER OF SEQ ID NOS: 5
15 <170> SOFTWARE: PatentIn version 3.2
17 <210> SEQ ID NO: 1
18 <211> LENGTH: 9
19 <212> TYPE: PRT
20 <213> ORGANISM: Synthetic
22 <400> SEQUENCE: 1
24 Tyr Pro Tyr Asp Val Pro Asp Tyr Ala
25 1 5
28 <210> SEQ ID NO: 2
29 <211> LENGTH: 10
30 <212> TYPE: PRT
31 <213> ORGANISM: Synthetic same error
33 <400> SEQUENCE: 2
35 Glu Gln Lys Leu Ile Ser Glu Glu Asp Leu
36 1 5 10
39 <210> SEQ ID NO: 3
40 <211> LENGTH: 8
41 <212> TYPE: PRT
42 <213> ORGANISM: Synthetic
44 <400> SEQUENCE: 3
46 Asp Tyr Lys Asp Asp Asp Asp Lys
47 1 5
50 <210> SEQ ID NO: 4
51 <211> LENGTH: 375
52 <212> TYPE: DNA
53 <213> ORGANISM: Synthetic
56 <220> FEATURE:
57 <221> NAME/KEY: misc_feature
58 <222> LOCATION: (3)..(4)
59 <223> OTHER INFORMATION: n is a, c, g, or t
61 <220> FEATURE:
62 <221> NAME/KEY: misc_feature
63 <222> LOCATION: (8)..(8)
64 <223> OTHER INFORMATION: n is a, c, g, or t
66 <220> FEATURE:
67 <221> NAME/KEY: misc feature

invalid (213) response. See item 10 on Error Summary Sheet.

Does Not Comply
Corrected Diskette Needed

pp 1-2

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Corrected Diskette Needed

pp 1-2

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/660,893

DATE: 07/01/2004
TIME: 13:09:23

Input Set : A:\New Link, 0003.ST25.txt
Output Set: N:\CRF4\07012004\J660893.raw

68 <222> LOCATION: (350)..(350)
69 <223> OTHER INFORMATION: n is a, c, g, or t
71 <220> FEATURE:
72 <221> NAME/KEY: misc_feature
73 <222> LOCATION: (358)..(374)
74 <223> OTHER INFORMATION: n is a, c, g, or t
76 <400> SEQUENCE: 4
W--> 77 **ttnnccgnga aagctcctcg cccttgctca ccatggatg ccattccta ggtctgcctc** 60
79 **ttggccgttt ttctccaatg gtctctgctt tcttctggc tgcttagag gggctcttg** 120
81 **tttgctgcc tttgggtctt cctctgggtc tcttaggaga gggctcacag gttggcttt** 180
83 **gctgctgctt cctgggtcgg ccgcgtcctc gttctgtgg caccgggacgc gcagggtgtc** 240
85 **cctgggctga tggacggc tgccggcgc cctcaccgcg tgcgctcatc ctgcctccg** 300
W--> 87 **ccggccgtac cactgcctct ctttttttt tttttttttt tttttgaaan ccccggnnn** 360
W--> 89 **nnnnnnnnnnnnnnnnnnnnnn** 375
92 <210> SEQ ID NO: 5
93 <211> LENGTH: 333
94 <212> TYPE: DNA
95 <213> ORGANISM: **Synthetic**
98 <220> FEATURE:
99 <221> NAME/KEY: misc_feature
100 <222> LOCATION: (3)..(3)
101 <223> OTHER INFORMATION: n is a, c, g, or t
103 <220> FEATURE:
104 <221> NAME/KEY: misc_feature
105 <222> LOCATION: (11)..(11)
106 <223> OTHER INFORMATION: n is a, c, g, or t
108 <220> FEATURE:
109 <221> NAME/KEY: misc_feature
110 <222> LOCATION: (106)..(106)
111 <223> OTHER INFORMATION: n is a, c, g, or t
113 <220> FEATURE:
114 <221> NAME/KEY: misc_feature
115 <222> LOCATION: (116)..(116)
116 <223> OTHER INFORMATION: n is a, c, g, or t
118 <220> FEATURE:
119 <221> NAME/KEY: misc_feature
120 <222> LOCATION: (168)..(168)
121 <223> OTHER INFORMATION: n is a, c, g, or t
123 <220> FEATURE:
124 <221> NAME/KEY: misc_feature
125 <222> LOCATION: (179)..(179)
126 <223> OTHER INFORMATION: n is a, c, g, or t
128 <220> FEATURE:
129 <221> NAME/KEY: misc_feature
130 <222> LOCATION: (204)..(204)
131 <223> OTHER INFORMATION: n is a, c, g, or t
133 <220> FEATURE:
134 <221> NAME/KEY: misc_feature
135 <222> LOCATION: (221)..(221)

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/660,893

DATE: 07/01/2004

TIME: 13:09:23

Input Set : A:\New Link, 0003.ST25.txt
Output Set: N:\CRF4\07012004\J660893.raw

136 <223> OTHER INFORMATION: n is a, c, g, or t
138 <220> FEATURE:
139 <221> NAME/KEY: misc_feature
140 <222> LOCATION: (224)..(224) /
141 <223> OTHER INFORMATION: n is a, c, g, or t
143 <220> FEATURE:
144 <221> NAME/KEY: misc_feature
145 <222> LOCATION: (231)..(231) /
146 <223> OTHER INFORMATION: n is a, c, g, or t
148 <220> FEATURE:
149 <221> NAME/KEY: misc_feature
150 <222> LOCATION: (254)..(254) /
151 <223> OTHER INFORMATION: n is a, c, g, or t
153 <220> FEATURE:
154 <221> NAME/KEY: misc_feature
155 <222> LOCATION: (272)..(272) /
156 <223> OTHER INFORMATION: n is a, c, g, or t
158 <220> FEATURE:
159 <221> NAME/KEY: misc_feature
160 <222> LOCATION: (275)..(275) /
161 <223> OTHER INFORMATION: n is a, c, g, or t
163 <220> FEATURE:
164 <221> NAME/KEY: misc_feature
165 <222> LOCATION: (282)..(282) /
166 <223> OTHER INFORMATION: n is a, c, g, or t
168 <220> FEATURE:
169 <221> NAME/KEY: misc_feature
170 <222> LOCATION: (285)..(286) /
171 <223> OTHER INFORMATION: n is a, c, g, or t
173 <220> FEATURE:
174 <221> NAME/KEY: misc_feature
175 <222> LOCATION: (289)..(289) /
176 <223> OTHER INFORMATION: n is a, c, g, or t
178 <220> FEATURE:
179 <221> NAME/KEY: misc_feature
180 <222> LOCATION: (292)..(293) /
181 <223> OTHER INFORMATION: n is a, c, g, or t
183 <220> FEATURE:
184 <221> NAME/KEY: misc_feature
185 <222> LOCATION: (296)..(296) /
186 <223> OTHER INFORMATION: n is a, c, g, or t
188 <220> FEATURE:
189 <221> NAME/KEY: misc_feature
190 <222> LOCATION: (299)..(299) /
191 <223> OTHER INFORMATION: n is a, c, g, or t
193 <220> FEATURE:
194 <221> NAME/KEY: misc_feature
195 <222> LOCATION: (301)..(301) /
196 <223> OTHER INFORMATION: n is a, c, g, or t

RAW SEQUENCE LISTING
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DATE: 07/01/2004
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Input Set : A:\New Link, 0003.ST25.txt
Output Set: N:\CRF4\07012004\J660893.raw

198 <220> FEATURE:
199 <221> NAME/KEY: misc_feature
200 <222> LOCATION: (304)..(304)
201 <223> OTHER INFORMATION: n is a, c, g, or t
203 <220> FEATURE:
204 <221> NAME/KEY: misc_feature
205 <222> LOCATION: (306)..(308)
206 <223> OTHER INFORMATION: n is a, c, g, or t
208 <220> FEATURE:
209 <221> NAME/KEY: misc_feature
210 <222> LOCATION: (311)..(311)
211 <223> OTHER INFORMATION: n is a, c, g, or t
213 <220> FEATURE:
214 <221> NAME/KEY: misc_feature
215 <222> LOCATION: (326)..(327)
216 <223> OTHER INFORMATION: n is a, c, g, or t
218 <220> FEATURE:
219 <221> NAME/KEY: misc_feature
220 <222> LOCATION: (329)..(329)
221 <223> OTHER INFORMATION: n is a, c, g, or t
223 <220> FEATURE:
224 <221> NAME/KEY: misc_feature
225 <222> LOCATION: (331)..(331)
226 <223> OTHER INFORMATION: n is a, c, g, or t
228 <220> FEATURE:
229 <221> NAME/KEY: misc_feature
230 <222> LOCATION: (333)..(333)
231 <223> OTHER INFORMATION: n is a, c, g, or t
233 <400> SEQUENCE: 5
W--> 234 tcngcgacca nctctcgcc cttgctcacc atggatgct cccgggtggg ggtcggtggt 60
W--> 236 ccctggcag gggtctccaa atcccgacg agcccccaaa tgaaanaccc ccgtcntggg 120
W--> 238 tagtcaatca ctcagaggag accctcccaa ggaacagcga gaccactntt cggatgcana 180
W--> 240 cagcaagagg ctttattggg aatncggta cccgggcgac ncantctatc ngaagactgg 240
W--> 242 cgttatTTTT ttnttttttt tttttgaat tnccnnggac anccnnctna gnntanctnc 300
W--> 244 nctnnnnct nccctcctta cttctnnntnt ntn 333

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/660,893

DATE: 07/01/2004
TIME: 13:09:24

Input Set : A:\New Link, 0003.ST25.txt
Output Set: N:\CRF4\07012004\J660893.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:4; N Pos. 3, 4, 8, 350, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369
Seq#:4; N Pos. 370, 371, 372, 373, 374
Seq#:5; N Pos. 8, 11, 106, 116, 168, 179, 204, 211, 224, 231, 254, 272, 275, 282, 285, 286
Seq#:5; N Pos. 289, 292, 293, 296, 299, 301, 304, 306, 307, 308, 311, 326, 327, 329, 331
Seq#:5; N Pos: 333

VERIFICATION SUMMARY
PATENT APPLICATION: US/10/660,893

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Input Set : A:\New Link, 0003.ST25.txt
Output Set: N:\CRF4\07012004\J660893.raw

L:77 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:87 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:300
L:89 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:360
L:234 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
L:236 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:60
L:238 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:120
L:240 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:180
L:242 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:240
L:244 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:300